

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-292558

(43)Date of publication of application : 05.11.1996

(51)Int.Cl.

G03F 7/00
B41N 1/14
G03F 7/027
G03F 7/11

(21)Application number : 08-025241

(71)Applicant : TORAY IND INC

(22)Date of filing : 13.02.1996

(72)Inventor : ISONO MASANAO
BABA YUZURU
IKEDA NORIMASA

(30)Priority

Priority number : 07 33541 Priority date : 22.02.1995 Priority country : JP

(54) **PLANOGRAPHIC PRINTING PLATE, ITS PRODUCTION AND PLANOGRAPHIC PRINTING MASTER PLATE**

(57)Abstract:

PURPOSE: To efficiently render a printing plate to be ink-repellent with a small supply amt. of damping water by forming a nonpicture part comprising a hydrophilic swellable layer in such a manner that the nonpicture part has a phase separation structure of two phases essentially comprising a hydrophilic polymer and hydrophobic polymer, respectively.

CONSTITUTION: A nonpicture part comprising a hydrophilic swellable layer has a phase separation structure of two phases essentially comprising a hydrophilic polymer and a hydrophobic polymer, respectively. The hydrophilic polymer is a water-soluble polymer, pseudo water-soluble polymer or water-swellable polymer, and for example, a natural polymer such as starch-acrylonitrile-based grafted polymer hydrolysate and synthetic polymer such as polyvinyl alcohol can be used. As for the hydrophobic polymer, a polymer essentially comprising a water-based emulsion is preferable, and for example, vinyl polymer latex, conjugate diene polymer latex, water-based or water-dispersed polyurethane resin can be used.

LEGAL STATUS

[Date of request for examination] 16.04.1998

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3036425

[Date of registration] 25.02.2000

[Number of appeal against examiner's decision of rejection]